

# Large Format Inkjet Printer (Sublimation)



## DCTE2-2224

**Engineered for Highest Precision and Productivity**

### Features

- 24 or 16 Epson i3200 printheads
- Production speed of 770 sqm/hr (1pass) : DCTE2-2224
- 2.0m printing width
- Inbuilt dual heater dryer
- High precision carriage base plate ; easy head position adjustments
- Embedded magnetic clutch ensures media take-up tension is constant for guaranteed stability and print quality
- Integrated head cleaning and moisture capping module
- Fully sealed auto moisturizing and cleaning
- Super High Density Sublimation ink from Jaysynth for brightest prints and lower GSM paper



### High Resolution Printhead

The advanced electrical board system featuring standard 16/24 Epson i3200 printheads, adopts advanced printhead control technology. Each printhead boasts 3200 nozzles and produces 3.5pl ink droplets, achieving a printing resolution up to 2400dpi. The industrial design guarantees the durability and reliability of the printheads, ensuring consistent performance over time



### Foggy & VSDT Printing

The inclusion of a unique two-dimensional intelligent foggy and wave-foggy function, along with VSDT (Variable Droplet Technology), enhances printing quality significantly. These features allow for precise control over droplet size and distribution, resulting in sharper details, smoother gradients, and overall improved print output



### Linear magnetic motor

Optional magnetic levitation linear motor, imported metal grating, improve printing accuracy and stability. Ensure long-term and high quality output and strong durability



### Rubber Pressure Roller

Double rubber roller winding technology is adopted to ensure good stretchability of lower GSM paper and improve stepping accuracy



### Air Shaft

The air shaft media system is designed to accommodate media rolls of up to 10000 meters in length. It is driven by a variable frequency motor, providing precise control over the media feed, ensuring smooth and reliable operation throughout the printing process



### Advanced Capping Station

The printer is equipped with an advanced intelligent auto printhead cleaning and moisturizing device. This system effectively pumps ink and maintains optimal moisture levels, ensuring the smooth flow of ink through the printheads for consistent and reliable printing results



### The anti-collision device protects print head while working

The anti-collision device serves to protect the print head during operation, minimizing the risk of damage from accidental collisions with obstacles or other objects. This feature helps maintain the integrity of the print head and ensures uninterrupted printing performance



### High Precision Platform

The unique design of the fishing mesh air guide honeycomb platform completely solves the problem of smoothness of material feeding. At the same time; the whole platform can be collaborated to activate the fine adjustment of later maintenance



### Winding Motor

Analog sensor + servo motor can effectively solve the step deviation caused by materials with different diameters and thickness, ensuring stable material feeding and neat take-up



### Negative pressure ink supply system

The negative pressure ink supply system is ideal for long print runs as it helps minimize the need for print head cleaning. By maintaining a consistent negative pressure, this system ensures a steady flow of ink to the print heads, reducing the likelihood of clogs or other issues that can interrupt printing. This feature is particularly beneficial for continuous and high-volume printing applications



### Control for heavy duty take-up system

The 10000 meter feeding and discharging control system adopts touch screen control, which is simple and clear in operation, more intelligent and humanized



### Intelligent Ink Starving Alarm

The system minimizes the need for frequent checking of ink levels and provides timely reminders for ink replenishment. This feature streamlines workflow by ensuring that ink levels are monitored efficiently, reducing downtime and potential interruptions to printing operations

## Specifications\*

<b>Model No.</b>		DCTE2-2224
<b>Printhead</b>		Epson i3200 (24/16 pcs)
<b>Nozzle</b>		400/row x 8 channels = 3200 total nozzles
<b>Print Resolution</b>		1800dpi
<b>Colors</b>		C M Y K
<b>Printing width</b>		2.0m (78.7 inch)
<b>Print speed (1.8m media width)</b>	1 pass	770 sqm/hr
	2 pass	385 sqm/hr
<b>Ink type</b>		Dye Sublimation ink
<b>Printing media types</b>		Transfer paper
<b>Computer configuration</b>		OS- Win 10, Processor- i5 / i7, RAM- HD - 1TB, Hard Disk - Ram 8GB
<b>Media transfer</b>		Auto air shaft feeding and take-up system
<b>RIP software support</b>		Neostampa
<b>Picture format</b>		EPS, TIF, JPG, PDF
<b>Sending materials type</b>		Roll to Roll 100 - 10000 meter roll size
<b>Head Moisture Method</b>		Fully sealed auto moisturizing and cleaning
<b>Dimensions (l x w x h) - mm</b>		
<b>Printer (Inbuilt take-up system)</b>		4600 x 2030 x 2000 ( Weight: 1500 kg )
<b>Printer (Heavy load take-up system)</b>		4600 x 2450 x 2000 ( Weight: 1700 kg )
<b>Operating Environment</b>		
<b>Temperature</b>		22°C-28°C
<b>Humidity</b>		55%-65%
<b>Power</b>		
<b>Printer Power</b>		2.5kW UPS (Single Phase)
<b>Heater (Inbuilt)</b>		2 - 16kW Mains (Single Phase)
<b>Air pressure</b>		5 bar

\*Specifications are subject to change

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